EPE – 5818af

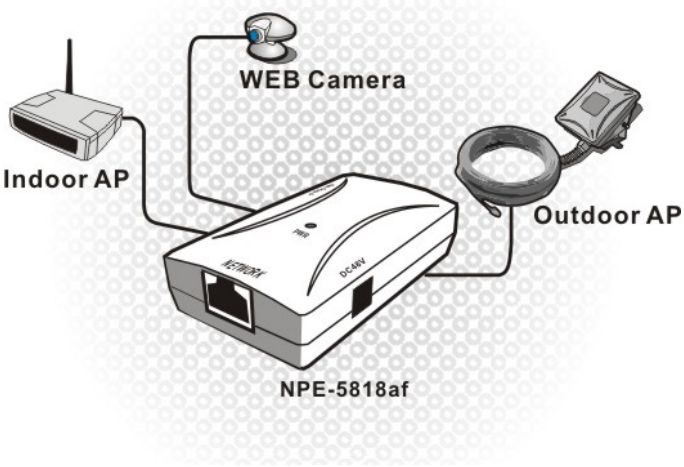
PoE Injector

EPE-5818af adopts LTC4263 in which with the functions of Power over Ethernet, and Power Sourcing Equipment. This product can easily extend the wired connection distance through the Ethernet cable which avoids the long power line that may cause any unexpected dangers to people.

EPE-5818af is compliant with 802.3af PoE solution, it offers 48V/0.375A power supply with standard pin definition of Ethernet cable. Pin#1,2,3 and 6 with data transmission; pin # 4,5,7 and 8 with power enabled to device.

The EPE-5818af generates safe power over category 5 cabling. By sending 48V, Ethernet terminals such as wireless LAN access point, IP phone, and web camera are powered remotely. It is especially design for outdoor networking facility and low port density installations.

Application Diagram



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PoE Injector

Product Highlight

1. Transform AC power to 48V DC power.
2. Inject 48V DC through CAT5 cable, pin# 4,5,7,8 into remote devices such as wireless AP, web camera, or IP phone.
3. Output: 48V / 0.375A
4. Follower 802.3af standard power pin definition
5. RJ45 connector and pin out

	RJ45 output (Data & Power)	
Pin	Symbol	Description
1	Rx+	Data received
2	Rx-	Data received
3	Tx+	Data transmit
4	Vdc+	Feeding power (+) 0V
5	Vdc+	Feeding power (+) 0V
6	Tx-	Data transmit
7	Vdc-	Feeding power (-) 48V
8	Vdc-	Feeding power (-) 48V

Product ID

1. Brick type mechanical design with power indicator (Red LED).
2. Dimension: 82 x 46 x 21mm

Accessories or Sub-system

1. AC cord (depends on different countries)
2. Power Adapter 48V/0.375A

Operation Environment

3. Operation temperature: 0°C~ +60°C
4. Storage temperature: -20°C~ +80°C
5. Humidity: 5% ~ 95% typical

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